

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Previously Presented) A piezo actuator, in particular a piezo actuator for actuating an injector for an injection system of an internal combustion engine, comprising a holder for spatially fixing a piezo stack and two associated connection pins for electrical contacting of the piezo stack, wherein the holder is implemented as an individual mount for accommodating and holding only a single piezo stack with two associated connection pins.

2. (Previously Presented) A piezo actuator according to claim 1, wherein the holder has an edge guard for protecting an axially running edge of the piezo stack.

3. (Previously Presented) A piezo actuator according to claim 2, wherein the edge protection has at least one axially running rib which covers an axially running edge of the piezo stack.

4. (Previously Presented) A piezo actuator according to claim 2, wherein the edge protection covers two axially running, opposite edges of the piezo stack.

5. (Previously Presented) A piezo actuator according to claim 1, wherein between the edge guard and the piezo stack there is a gap large enough to allow a potting compound to penetrate during encapsulation.

6. (Previously Presented) A piezo actuator according to claim 1, wherein the axially running edges of the piezo stack form an at least six-sided polygon with the connection pins and the edge guard in cross-section in order to facilitate wire winding.

7. (Previously Presented) A piezo actuator according to claim 6, wherein the polygon is essentially equilateral in order to allow wire winding with approximately constant wire tension.

8. (Previously Presented) A piezo actuator according to claim 1, wherein the connection pins are fixed in the holder in a form-fit and/or force-fit manner.

9. (Previously Presented) A piezo actuator according to claim 8, wherein the connection pins are extrusion-coated or molded in with the material of the holder.

10. (Previously Presented) A piezo actuator according to claim 1, wherein the holder essentially consists of plastic.

11. (Previously Presented) A piezo actuator according to claim 1, wherein the two connection pins are fixed in the holder in two radial bearings in each case.

12. (Previously Presented) A piezo actuator according to claim 1, wherein the two connection pins are axially fixed in the holder in a thrust bearing in each case.

13. (Previously Presented) A piezo actuator according to claim 1, wherein the holder has a first end plate with a cutout for guiding the piezo stack at one end and a second end plate with a cutout for guiding the piezo stack at its other end, the two end plates being interconnected by ribs.

14. (Previously Presented) A piezo actuator according to claim 13, wherein the cutout in the first end plate and/or the cutout in the second end plate is larger than the cross-sectional area of the piezo stack in order to allow the penetration of potting compound.

15. (Previously Presented) A piezo actuator according to claim 1, wherein the holder with the inserted piezo stack and the inserted connection pins is encapsulated with a potting compound.

16. **(Withdrawn)** A production method for a piezo actuator comprising the following steps:

- Inserting a piezo stack and two connection pins in an assembly mount,
- Establishing an electrical connection between the two connection pins and the piezo stack while the piezo stack and the connection pins are inserted in the assembly mount, and
- accommodating only a single piezo stack and the two associated connection pins by the assembly mount.

17. **(Withdrawn)** A production method as claimed in claim 16, comprising the following step:

- Encapsulating the assembly mount with the inserted piezo stack and the inserted connection pins with a cure-hardening potting compound.

18. **(Withdrawn)** A production method as claimed in claim 17, comprising the following steps:

- Inserting the assembly mount with the inserted piezo stack and the inserted connection pins in a mold and then
- Encapsulating the assembly mount with the potting compound in the mold.

19. **(Withdrawn)** A production method as claimed in claim 18, comprising the following steps:

- Winding the assembly mount with the inserted piezo stack and the inserted connection pins with at least one electrically conductive wire,
- Electrically connecting sections of the wire to one of the two connection pins and one of two terminals of the piezo stack,
- Cutting the wire between the contacted wire sections and removing the cut wire sections.

20. **(Withdrawn)** A production method as claimed in claim 16, wherein the assembly mount has at least one edge guard in order to protect an axially running edge of the piezo stack.

21. **(Withdrawn)** A production method as claimed in claim 15, wherein the potting compound is silicone.